

HIGHLY ERODABLE SOIL MAP UNIT LIST

APRIL 9, 1993

LAKE OF THE WOODS COUNTY
R. B. HESCHKE
C = .20 & C = .15 R = 70

NUMBER	MAP SYMBOL	RECORD MAPPING UNIT NAME	K	T	I	EI*** C=.20	EI*** C=.15	HELC* C=.20	HELC* C=.15
MN0004	48B	HIWOOD FINE SAND, 0 TO 6 PERCENT SLOPES	.15	5	250	10.0	7.5	HEL	NHEL
MN0125	52	AUGSBURG LOAM	.28	4	86	4.30	3.22	NHEL	NHEL
MN0117	77B	GARNES FINE SANDY LOAM, 1 TO 4 PERCENT SLOPES	.32	5	86	3.44	2.58	NHEL	NHEL
MN0005	116	REDBY LOAMY FINE SAND	.17	5	134	5.36	4.02	NHEL	NHEL
MN0002	117	CORMANT LOAMY FINE SAND	.17	5	134	5.36	4.02	NHEL	NHEL
MN0334	122B	TAYLOR LOAM, 1 TO 8 PERCENT SLOPES	.43	3	48	3.20	2.40	NHEL	NHEL
MN0019	145	ENSTROM LOAMY SAND	.17	5	134	5.36	4.02	NHEL	NHEL
MN0135	147	SPOONER VERY FINE SANDY LOAM	.37	5	86	3.44	2.58	NHEL	NHEL
MN0114	167B	BAUDETTE FINE SANDY LOAM, 1 TO 4 PERCENT SLOPES	.28	5	86	3.44	2.58	NHEL	NHEL
MN0268	172	INDUS CLAY LOAM	.28	5	86	3.44	2.58	NHEL	NHEL
MN0021	187	HAUG MUCK	---	5	134	5.36	4.02	NHEL	NHEL
MI0206	191	EPOUFETTE LOAMY FINE SAND	.17	4	134	6.70	5.02	NHEL	NHEL
MN0334	195B	TAYLOR LOAMY FINE SAND, 1 TO 4 PERCENT SLOPES	.17	3	134	8.90	6.70	HEL	NHEL
WI0255	202	MEEHAN LOAMY SAND	.17	5	134	5.36	4.02	NHEL	NHEL
MN0046	205	KARLSTAD LOAMY SAND	.17	3	134	8.90	6.70	HEL	NHEL
MN0047	242B	MARQUETTE LOAMY SAND, 1 TO 8 PERCENT SLOPES	.17	2	134	13.4	10.0	HEL	HEL
	242D	MARQUETTE LOAMY FINE SAND, 8 TO 25 PERCENT SLOPES				13.4	10.0	HEL	HEL
MN0120	280	PELAN SANDY LOAM	.24	3	86	5.73	4.30	NHEL	NHEL
MN0048	379	PERCY LOAM, VERY STONY	.28	5	---	---	---	NHEL	NHEL
MN0420	387	ROLISS LOAM, DEPRESSIONAL	.28	5	48	1.92	1.44	NHEL	NHEL
MN0261	404	CHILGREN FINE SANDY LOAM	.28	5	86	3.44	2.58	NHEL	NHEL
MN0115	425	DONALDSON LOAMY VERY FINE SAND	.24	4	134	6.70	5.00	NHEL	NHEL
MN0122	432	STRANDQUIST SANDY LOAM	.20	3	86	5.73	4.30	NHEL	NHEL
MN0057	458B	MENAHGA LOAMY SAND, 0 TO 6 PERCENT SLOPES	.15	5	134	5.36	4.02	NHEL	NHEL
MN0072	481	KRATKA FINE SANDY LOAM	.17	5	86	3.44	2.58	NHEL	NHEL
MN0020	482	GRYGLA LOAMY FINE SAND	.15	5	134	5.36	4.02	NHEL	NHEL
MI0166	514	TACOOSH MUCK	---	5	134	5.36	4.02	NHEL	NHEL
MN0331	532	SAGO MUCK	---	5	134	5.36	4.02	NHEL	NHEL
MN0128	540	SEELYEVILLE MUCKY PEAT	---	5	56	2.24	1.68	NHEL	NHEL
MI0391	541	RIFLE MUCKY PEAT	---	5	56	2.24	1.68	NHEL	NHEL
MI0387	543	MARKEY MUCK	---	4	134	6.70	5.00	NHEL	NHEL
MI0392	544	CATHRO MUCK	---	5	134	5.36	4.02	NHEL	NHEL
MI0393	546	LUPTON MUCKY PEAT	---	5	56	2.24	1.68	NHEL	NHEL
MI0394	549	GREENWOOD PEAT	---	5	38	1.52	1.14	NHEL	NHEL
MI0394	560	GREENWOOD-LOBO PEATS	---	5	38	1.52	1.14	NHEL**	NHEL**
MI0149			---	5	---	---	---		
MN0486	563	NORTHWOOD MUCK	---	5	134	5.36	4.02	NHEL	NHEL
MN0415	565	ECKVOLL LOAMY FINE SAND	.17	5	134	5.36	4.02	NHEL	NHEL
MN0523	568	ZIPPEL VERY FINE SANDY LOAM	.28	5	86	3.44	2.58	NHEL	NHEL
MN0533	569	WABANICA SILT LOAM	.28	5	86	3.44	2.58	NHEL	NHEL
MN0532	570	FAUNCE FINE SAND	.15	5	250	10.0	7.50	HEL	NHEL
MN0048	581	PERCY FINE SANDY LOAM	.28	5	86	3.44	2.58	NHEL	NHEL
MN0076	582	ROLISS CLAY LOAM	.28	5	48	1.92	1.44	NHEL	NHEL
MN0335	616	EFFIE LOAM	.37	3	56	3.70	2.80	NHEL	NHEL
MN0342	626	SUOMI LOAM, 1 TO 4 PERCENT SLOPES	.43	3	56	3.70	2.80	NHEL	NHEL
MI0138	627	TAWAS MUCK	---	4	134	6.70	5.00	NHEL	NHEL
MN0181	630	WILDWOOD MUCKY PEAT	---	3	56	3.70	2.80	NHEL	NHEL
MN0395	641	CLEARWATER CLAY	.28	5	86	3.44	2.58	NHEL	NHEL
MN0396	644	BOASH CLAY LOAM	.32	5	86	3.44	2.58	NHEL	NHEL
MN0383	655	BEARVILLE LOAMY FINE SAND	.15	4	134	6.70	5.00	NHEL	NHEL
MN0469	702	BULLWINKLE-CATHRO MUCKS	---	5	134	5.36	4.02	NHEL**	NHEL**

NUMBER	MAP SYMBOL	RECORD MAPPING UNIT NAME	K	T	I	EI*** C=.20	EI*** C=.15	HELC* C=.20	HELC* C=.15
MI0392			---	5	134	5.36	4.02		
MN0534	755	WOODSLAKE CLAY	.28	5	86	3.44	2.58	NHEL	NHEL
WI0476	792	FORDUM FINE SANDY LOAM	.20	4	---	---	---	NHEL	NHEL
MN0260	794	FAUNCE VARIANT LOAMY FINE SAND	.17	5	134	5.36	4.02	NHEL	NHEL
MN0195	828D	INSULA-MESABA GRAVELLY LOAMS, 2 TO 30 PERCENT SLOPES	.17	2	---	---	---	PHEL***	PHEL***
MN0227			.17	2	---	---	---		
MN0202	952E	QUETICO-ROCK OUTCROP COMPLEX, 6 TO 35 PERCENT SLOPES	.24	1	86	---	---	PHEL***	PHEL***
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---	1030	UDORTHENTS-PITS, GRAVEL COMPLEX	---	-	---	---	---	NHEL**	NHEL**
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---	1033	BEACHES-MENAHGA COMPLEX	---	5	---	---	---	NHEL**	NHEL**
MN0057			.15	5	134	5.36	4.02		
WI0359	1059	WEGA SILT LOAM	.32	5	56	2.24	1.68	NHEL	NHEL
---	1066	ROCK OUTCROP-GARNES COMPLEX, VERY STONY	---	-	---	---	---	NHEL**	NHEL**
MN0117			.32	5	---	---	---		
WI0356	1067	WAUPACA-EUTROBORALFS COMPLEX, 0 TO 60 PERCENT SLOPES	.32	5	86	3.44	2.58	PHEL***	PHEL***
			---	---	5	---	---	---	---
MI0392	1807	CATHRO MUCK, PONDED	---	5	---	---	---	NHEL	NHEL
MI0387	1808	MARKEY MUCK, PONDED	---	4	---	---	---	NHEL	NHEL
MN0117	1923	GARNES LOAM, VERY STONY	.32	5	---	---	---	NHEL	NHEL
MN0487	1924	GRYGLA FINE SANDY LOAM, VERY STONY	.24	5	---	---	---	NHEL	NHEL
MN0415	1925	ECKVOLL LOAMY FINE SAND, VERY STONY	.10	5	---	---	---	NHEL	NHEL
MN0530	1984	LEAFRIVER MUCK	---	2	134	13.4	10.0	HEL	HEL

HIGHLY ERODIBLE LAND CLASSIFICATION

NHEL = NOT HIGHLY ERODIBLE LAND

PHEL = POTENTIALLY HIGHLY ERODIBLE LAND AND REQUIRES A FIELD VISIT TO DETERMINE A REPRESENTATIVE SLOPE PERCENT AND LENGTH FOR FSA PURPOSES.

HEL = HIGHLY ERODIBLE LAND

* THESE PHEL MAP UNITS ARE CONSIDERED HEL BASED ON TYPICAL SLOPE PERCENTAGE AND LENGTH FOR DETERMINATIONS MADE IN THE OFFICE.

** THESE PHEL MAP UNITS ARE CONSIDERED NHEL BASED ON TYPICAL SLOPE PERCENTAGES AND LENGTH FOR DETERMINATIONS MADE IN THE OFFICE.

*** USE THE MOST LIMITING SOIL IN THE COMPLEX TO DETERMINE THE RATING. ONLY ONE RATING IS GIVEN FOR A COMPLEX.

HELC FOR WIND EROSION IS BASED ON THE C X I DIVIDED BY T IS EQUAL TO OR GREATER THAN 8.

HELC FOR WATER EROSION IS BASED ON THE R X K X LS DIVIDED BY T IS EQUAL TO OR GREATER THAN 8.